

WHAT IS CLAIMED IS:

1. A storage device that is detachably attachable to an information processing apparatus, comprising:

an IC chip;

a first control unit extracting a control command for the IC chip included in a control command for the storage device from the information processing apparatus; and

a second control unit performing interface conversion corresponding to the IC chip on the control command for the IC chip extracted by the first control unit and giving the converted control command to the IC chip.

2. A storage device according to claim 1, wherein the second control unit performs interface conversion on data sent from the IC chip and stores the converted data in a predetermined storage area; and

the first control unit reads the data stored in the storage area in accordance with a control command for the storage device from the information processing apparatus and gives the read data to the information processing apparatus.

3. A storage device according to claim 1 or 2, wherein the first control unit receives a writing command for the storage apparatus, in whose data area a control command for the IC chip is mapped, and extracts the control command for the IC chip mapped in the data area.

4. A storage device according to claim 3, wherein the first control unit refers to an address area of the writing command for the storage device and, when an address is set therein which shows that the control command for the IC chip is mapped in the data area, extracts the control command for the IC chip from the data area.

5. A storage device according to any one of claims 1, wherein the IC chip comprises a nonvolatile memory and has a security function.